

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE: JAN 7 1982

SUBJECT: Permit language for temperature  
in proposed U.S. Steel Gary  
works permit

FROM: Gary Milburn  
TO: Special Permits Section (5EP)

Jim McDermott  
Engineering Unit I (5EWHME)

We have two alternatives:

- 1) Drop all reference to thermal limitations.
- 2) Insert something similar to the language below.

U.S. Steel has submitted a "Thermal Discharge Demonstration" pursuant to Section 316(a) of the Clean Water Act for their heated discharges to Lake Michigan and the Grand Calumet River. The Indiana Stream Pollution Control Board and the USEPA have reviewed that demonstration and believe that the existing thermal discharges will assure the protection and propagation of a balanced indigenous population of fish, shellfish, and wildlife. Therefore, no thermal limitations are proposed for either the Lake Michigan or the Grand Calumet River discharges. Any change in the present facility which results in a significant increase in the thermal component of any discharge may trigger the need for another demonstration and/or appropriate limitations.

My preference is number one (#1).

Footnote 2

Thermal Limitations

U.S. Steel Corp has submitted a "Thermal Discharge Demonstration" pursuant to Section 316(a) of the Clean Water Act for their heated discharges to Lake Michigan and the Grand Calumet River. The Indiana Stream Pollution Control Board and the United States Environmental Protection Agency have reviewed that demonstration and concludes the thermal discharges present at the time of the demonstration will assure the protection and propagation of a balanced indigenous population of fish, shellfish, and wildlife.

Therefore, no thermal limitations are necessary for either Lake Michigan or the Grand Calumet River discharges. Any change in the production facilities which results in a significant increase in the thermal discharges from those present at the time of the demonstration may trigger the need for another demonstration and appropriate limitations.



*United  
States  
Steel  
Corporation*

J. DAVID MONIOT  
MANAGER  
ENVIRONMENTAL CONTROL—EAST

600 GRANT STREET  
PITTSBURGH, PENNSYLVANIA 15230

December 17, 1981

Mr. Irvin J. Dzikowski  
Permit Branch  
U.S. Environmental Protection Agency  
230 South Dearborn Street  
Chicago, Illinois 60604

Re: NPDES Permit No. IN0000281  
Gary Works

Dear Mr. Dzikowski:

The following information is submitted in response to  
your correspondence of November 17, 1981.

1. Cold Rolling Production - 13,490 TPD
  - (a). Combination - 12,401 TPD
  - (b). Direct Application - 1,089 TPD
2. Hot Dipped Galvanize - 1,360 TPD  
Electrogalvanize - 1,487 TPD
3. The continuous caster discharge of 7,000 gpm will be  
diverted by April 1, 1983.
4. The 84" Hot Strip Mill process water diversion will be  
up to 10,000 gpm and will be accomplished by July 1, 1983.
5. Yes.

Please advise if you have any questions or comments.

Very truly yours

J. D. Moniot  
Manager, Environment-East  
Environment & Energy

JDM/mmh